ALDER COPPICE PRIMARY SCHOOL YEAR 4 LONG TERM OVERVIEW

Wk	AUTUMN	Unit Specific Vocabulary	
1-4	**Place Value to 10,000** **National Curriculum Objectives** • count in multiples of 6, 7, 9, 25 and 1000 • count backwards through zero to include negative numbers • interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero • recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) • order and compare numbers beyond 1000 • identify, represent and estimate numbers using different representations • find 1000 more or less than a given number • round any number to the nearest 10, 100 or 1000 • solve number and practical problems that involve all of the above and with increasingly large positive numbers • ***compare and order: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)and record the results using >, < and =***	place value represent digit tens ones hundreds thousands compare order greatest smallest equal to = more than >less than <	more less fewer most least multiple numerals and words number pattern odd even amount multiple partition
5	**Recap on 0x,1x, 10x, 2x, 5x, 10x, 4x, 8x, 3x, 6x** **National Curriculum Objectives** • recall and use multiplication and division facts for the **0x,1x, 10x, 2x, 5x, 10x, 4x, 8x, 3x, 6x** multiplication tables • use place value, known and derived facts to multiply and divide mentally, including: • multiplying by 0 and 1 • dividing by 1	repeated addition equal groups times tables multiply multiple	commutative times factor product
6-11	**Addition and Subtraction to 10,000** **National Curriculum Objectives** • add and subtract numbers mentally with increasingly large numbers • add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) • estimate and use inverse operations to check answers to a calculation • use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	**plus** add addend sum more than total altogether **minus** subtract minuend subtrahend	**equation** inverse partition number bonds part-part-whole equal systematic represent double half make 10 strategy

	• ***use equivalence and the compensation property to calculate*** • ***use all four operations to solve problems involving measure [for example, length, mass, volume, money]*** • ***calculate different measures, including money in pounds and pence*** USE ESTIMATION TO CHECK ANSWERS TO EQUATIONS AND DETERMINE, IN THE CONTEXT OF A PROBLEM, AN APPROPRIATE DEGREE OF ACCURACY Include teaching of balance equations such as: 13 +12 = ? + 19	difference take away less than		
12	**9x, 7x, 11x, 12x Times Tables** **National Curriculum Objectives** • recall and use multiplication and division facts for the **9x, 7x, 11x, 12x** multiplication tables • use place value, known and derived facts to multiply and divide mentally, including: • multiplying by 0 and 1 • dividing by 1	repeated addition equal groups times tables multiply multiple		commutative times factor product
1 day each week	**Geometry – Shape** **National Curriculum Objectives** **<u>Properties of shape</u>** **<u>types of triangles, tetrahedron</u>** • use the properties of rectangles to deduce related facts and find missing lengths and angles • compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	square rectangle right angled triangle isosceles triangle equilateral triangle		parallel opposite angle
	Measure – Time **National Curriculum Objectives** • tell and write the time from an analogue clock and 12-hour and 24-hour clocks • read, write and convert time between analogue and digital 12- and 24-hour clocks • solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. • compare durations of events [for example to calculate the time taken by particular events or tasks]. ***add and subtract amounts of time***	o'clock half past quarter past quarter to five minute intervals analogue digital 12 hour 24 hour	seconds minutes hours am pm	morning afternoon noon midnight month year leap year
	Weekly Units are subject to change based on Teacher assessment.			